

DATE: 10/21/2009

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00095903

JEFFERSON PARISH

SOLICITATION #B2009000260

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: S. Vasquez

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 11/24/2009 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS **THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

Visit our website at WWW.JEFFPARISH.NET/BIDS

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until _____

PRICES: Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

POSTING OF BIDS: Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

1,2,3,5,6,7,8,9,10,11,16

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES _____ NO _____
Successful bidder will be required to furnish proof of insurance to this office.
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES _____

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK _____

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

***** ALL BIDDERS MUST COMPLETE SECTION BELOW *****

FIRM NAME:

SIGNATURE:

(Must be signed here)

TITLE:

PRINT OR TYPE NAME:

ADDRESS:

CITY, STATE:

ZIP:

TELEPHONE:

()

FAX:

()

EMAIL ADDRESS:

TOTAL PRICE OF ALL BID ITEMS: \$ _____

THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			<p>LABOR, MATERIALS & EQUIPMENT NECESSARY FOR CONCRETE STREET REPAIRS & RELATED</p> <p>WORK FOR DAMAGES RESULTING FROM HURRICANE KATRINA FOR THE JEFFERSON PARISH DEPT. OF PUBLIC WORKS, STREETS</p> <p>*****</p> <p>A PRE-BID CONFERENCE will be held at 9:30 A.M. on MONDAY, NOVEMBER 9, 2009 in the PURCHASING DEPARTMENT, SUITE 4400 JEFFERSON PARISH GENERAL GOVERNMENT BLDG 200 DERBIGNY STREET, GRETN, LA 70053 *****</p> <p>A LOUISIANA STATE CONTRACTOR'S LICENSE IS REQUIRED IN THE CATEGORY OF: HIGHWAY, STREET AND BRIDGE CONSTRUCTION</p> <p>SEE ATTACHED SPECIFICATIONS.</p>		
1	130	SQYD	0010 - 6 INCH THICKNESS OR LESS PAVEMENT REMOVAL & DISPOSAL		
2	2670	SQYD	0020 - GREATER THAN 6 INCH THICKNESS PAVEMENT REMOVAL & DISPOSAL		
3	15	SQYD	0030 - PPC 4 INCH THICK, HIGH EARLY STRENGTH 4000 PSI - 72 HOURS, IN PLACE PORTLAND CEMENT CONCRETE PAVING		
4	130	SQYD	0040 - PCC 6 INCH THICK, HIGH EARLY STRENGTH 4000 PSI - 72 HOURS, IN PLACE FOR CURB RAMP AND DRIVEWAY APRON PORTLAND CEMENT CONCRETE PAVING		
5	2670	SQYD	0050 - PCC 7 INCH THICK, HIGH EARLY STRENGTH 4000 PSI - 72 HOURS, IN PLACE PORTLAND CEMENT CONCRETE PAVING		
6	10	LF	0060 - PCC CURB, EXTRUDED, 6 INCH THICK, HIGH EARLY STRENGTH,		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
7	10	LF	4000 PSI - 72 HOURS BARRIER TYPE, TO INCLUDE DOWELS IN CONJUNCTION WITH NEW PAVING PORTLAND CEMENT CONCRETE CURB		
			0070 - PCC CURB, EXTRUDED 6 INCH THICK HIGH EARLY STRENGTH, 4000 PSI - 72 HOURS BARRIER TYPE, TO INCLUDE NO. 4 (U) SHAPED CURB DOWELS SPACED 2 FOOT - 0 INCH O.C. ANCHORED INTO EXISTING SLAB PORTLAND CEMENT CONCRETE CURB		
8	1500	LF	0080 - PCC CURB, EXTRUDED 5 INCH ROLL-OVER TYPE, HIGH EARLY STRENGTH, 4000 PSI - 72 HOURS MONOLITHIC WITH NEW SLAB PAVING OR PROPERLY DOWELED PORTLAND CEMENT CONCRETE CURB		
			0090 - PCC CURB, EXTRUDED, 5 INCH ROLL-OVER TYPE, HIGH EARLY STRENGTH, 4000 PSI - 72 HOURS TO INCLUDE NO. 4 (U) SHAPED DOWELS SPACED 2 FOOT - 0 INCH O.C. ANCHORED INTO EXISTING SLAB PORTLAND CEMENT CONCRETE CURB		
10	24	CUYD	0100 - EARTHWORK EXCAVATION THEORETICAL VOLUME EXCAVATION AND FILL MATERIAL		
			0110 - RIVER (BATTURE) SAND EXCAVATION AND FILL MATERIAL		
12	330	CUYD	0120 - PUMP (SUGAR) SAND EXCAVATION AND FILL MATERIAL		
			0130 - LIMESTONE		
14	8	LF	0140 - REINFORCED CONCRETE 15 INCH DIAMETER, RCP, C-76, CLASS III,		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
15	8	LF	RUBBER GASKET, IN PLACE		
			DRAIN PIPE INSTALLATION		
16	8	LF	0150 - REINFORCED CONCRETE 18 INCH DIAMETER, RCP, C-76, CLASS III,		
			RUBBER GASKET, IN PLACE		
17	8	LF	DRAIN PIPE INSTALLATION		
			0160 - REINFORCED CONCRETE 24 INCH DIAMETER, RCP, C-76, CLASS III,		
18	8	LF	RUBBER GASKET, IN PLACE		
			DRAIN PIPE INSTALLATION		
19	8	LF	0170 - 8 INCH DIAMETER, P.V.C. PIPE SDR 35, IN PLACE		
			DRAIN PIPE INSTALLATION		
20	8	LF	0180 - 10 INCH DIAMETER, P.V.C. PIPE SDR 35, IN PLACE		
			DRAIN PIPE INSTALLATION		
21	8	LF	0190 - 12 INCH DIAMETER, P.V.C. PIPE SDR 35, IN PLACE		
			DRAIN PIPE INSTALLATION		
22	26	LF	0200 - 15 INCH DIAMETER, P.V.C. PIPE SDR 35, IN PLACE		
			DRAIN PIPE INSTALLATION		
23	8	LF	0210 - 18 INCH DIAMETER, P.V.C. PIPE SDR 35, IN PLACE		
24	1	EA	0220 - CONVERTING TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		
			DRAIN STRUCTURES		
25	1	EA	0230 - YARD DRAIN, 12 INCH X 12 INCH OPEN GRATE WITH FRAME,		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
24	1	EA	4 INCH BRICK WALL, 6 INCH CONCRETE SLAB FOUNDATION DRAIN STRUCTURES		
			0240 - DROP INLET, 18 INCH X 18 INCH OPEN GRATE WITH FRAME, 8 INCH BRICK WALL, 6 INCH REINFORCED CONCRETE SLAB FOUNDATION DRAIN STRUCTURES		
25	1	EA	0250 - CATCH BASIN, STANDARD ROLL-OVER TYPE, 8 INCH BRICK WALL, 8 INCH REINFORCED CONCRETE SLAB FOUNDATION DRAIN STRUCTURES		
26	1	EA	0260 - CATCH BASIN, STANDARD, TYPE I, VERTICAL FACE, 8 INCH BRICK WALL, 8 INCH REINFORCED CONCRETE SLAB FOUNDATION DRAIN STRUCTURES		
27	1	EA	0270 - DRAINAGE MANHOLE, STANDARD, 8 INCH BRICK WALL, AVERAGE 48 INCH BOTTOM DIAMETER, 8 INCH REINFORCED CONCRETE SLAB FOUNDATION DRAIN STRUCTURES		
28	3	EA	0280 - STRUCTURAL GRADE ADJUSTMENTS, (ELEV.) TO EXISTING CATCH BASIN DRAIN STRUCTURES		
29	8	EA	0290 - STRUCTURAL GRADE ADJUSTMENTS, (ELEV.) TO EXISTING MANHOLE DRAIN STRUCTURES		
30	1	EA	0300 - STRUCTURAL GRADE ADJUSTMENTS TO EXISTING RE-INFORCED CONCRETE		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
31	1	EA	CATCH BASINS - SINGLE DRAIN STRUCTURES		
			0310 - RING ADJUSTMENTS, PER INCH, TO EXISTING MANHOLE		
32	1	EA	DRAIN STRUCTURE		
			0320 - MISCELLANEOUS TIE-INS (YARD DRAINS, FILTER BEDS, AND UTILITIES, ETC.) DRAIN STRUCTURES		
33	182	LF	0330 - ASPHALT OR PCC SAW CUT, PER INCH DEPTH		
			SAW CUTTING		
34	10	GL	0340 - LIQUID POURED ASPHALT TYPE SEALANT APPLIED PER GALLON		
35	5	SQYD	0350 - APPLIED SURFACES/MASONRY UNIT PAVERS WITH RAISED TRUNCATED DOMES 0.9 INCH DIAMETER, 0.2 INCH HIGH, 2.35 INCH CENTER TO CENTER SPACING. VISUALLY CONTRASTING WITH ADJOINING SURFACES (REDDISH LIKE (TERRA COTTA)) IN PLACE FOR CURB RAMPS AND LOADING ZONES.		
36	5	SQYD	0360 - FURNISH & INSTALL WIRE MESH REINFORCEMENT - 6X6-W2.9XW2.9		
37	100	FT	0370 - FOUNDATION BOARD (3 INCH THICKNESS) FOR PIPE WORK (12 INCH WIDE X 1 INCH THICK)		
38	10	SQYD	0380 - ST. AUGUSTINE GRASS SOD/ CENTIPEDE SOD		
39	10	LB	0390 - 8-8-8 GRANULAR FERTILIZER		
40	10	SQYD	0400 - FABRIC MEMBRANE FOR BASE/SUB-BASE		

SEALED BID

BID NO.: 50-00095903

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
41	10	SQYD	0410 - GEOGRID BASE REINFORCEMENT AND GEO SUB-GRADE IMPROVEMENT TYPE I, BOX 1100		
42	10	SQYD	0420 - GEOGRID BASE REINFORCEMENT AND GEO SUB-GRADE IMPROVEMENT TYPE 2, BOX 1200		
43	100	LB	0430 - REINFORCING STEEL BARS, IN PLACE		

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.

SECRETARY-TREASURER

DATE

A F F I D A V I T

STATE OF LOUISIANA
PARISH OF JEFFERSON

BEFORE ME, THE UNDERSIGNED AUTHORITY, PERSONALLY CAME AND APPEARED _____, WHO AFTER BEING BY ME DULY SWORN, DEPOSED AND SAID THAT HE IS THE FULLY AUTHORIZED _____ OF _____ (HEREIN AFTER REFERRED TO AS BIDDER) THE PARTY WHO SUBMITTED A BID FOR _____, BID NO. _____ AND SAID AFFIANT FURTHER SAID:

- 1) That bidder employed no person, corporation, firm, association or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the bidder whose services in connection with the construction of the public building or project or in securing the public contract were in the regular course of their duties for bidder; and
- 2) That no part of the contract price received by bidder was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the bidder whose services in connection with the construction of the public building or project were in the regular course of their duties for bidder.
- 3) Said bid is genuine and the bidder has not colluded, conspired or agreed directly or indirectly with any other bidder to offer a sham or collusive bid.
- 4) Said bidder has not in any manner, directly or indirectly, agreed with any other person to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or that of any other bidder, or to induce any other person to refrain from bidding.
- 5) Said bidder is not intended to secure an unfair advantage of benefit from the Parish of Jefferson or in favor of any person interested in the proposed contract.

SWORN TO AND SUBSCRIBED
BEFORE ME THIS _____
DAY OF _____, 20____

NOTARY PUBLIC

INSURANCE REQUIREMENTS

All insurance requirements shall conform to Jefferson Parish Resolution No. 105529 or No. 105530 dated 05/17/2006.

The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and Resolution No. 105529 or No. 105530.

WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible be borne by the contractor.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS REQUIRE THE FOLLOWING:

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

CONCRETE STREET REPAIRS (PW#17010)

CONCRETE STREET REPAIRS AND RELATED WORK FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS – STREETS DEPARTMENT FOR DAMAGES RESULTING FROM HURRICANE KATRINA, WITHIN COUNCIL DISTRICTS 3 AND 5.

SURETY BID BOND: 5% OF BID AMOUNT

PERFORMANCE BOND: 100%

A LOUISIANA STATE CONTRACTOR'S LICENSE IS REQUIRED IN THE CATEGORY OF **HIGHWAY, STREET AND BRIDGE CONSTRUCTION**.

A PRE-BID CONFERENCE WILL BE HELD AT **9:30 A.M. ON MONDAY, NOVEMBER 9, 2009**, IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053. ALL INTERESTED PARTIES ARE INVITED TO ATTEND.

SECTION 1: SCOPE

THIS IS A "CONCRETE STREET REPAIR CONTRACT" FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS – STREETS DEPARTMENT FOR REPAIRS WITHIN COUNCIL DISTRICTS 3 AND 5 FOR SPECIFIC LOCATIONS/STREETS AND RELATED WORK AS REFERENCED HEREIN AND AS PER THE ATTACHMENTS.

IT IS INTENDED TO REPAIR DAMAGES TO THE LOCATIONS/STREETS LISTED HEREIN THAT WERE CAUSED BY HURRICANE KATRINA, AND WERE APPROVED FOR REPAIR BY FEMA (PW#17010).

TYPES OF WORK UNDER THIS CONTRACT INCLUDE CONCRETE MAINTENANCE PROJECTS SUCH AS CONCRETE SLAB REMOVAL AND REPLACEMENT, CONCRETE CURB REPAIRS, SIDEWALK AND DRIVE APRON REPLACEMENT. DURING THE COURSE OF THE REPAIRS, NEW INSTALLATIONS, ADDITIONS OR REVISIONS TO SUBSURFACE DRAINAGE SYSTEMS AND STRUCTURES MAY BE NECESSARY. THIS WILL BE DETERMINED IN THE FIELD.

THE APPROXIMATE SQUARE YARDAGE IS LISTED IN THE SCOPE OF WORK.

PROPOSALS WILL BE EVALUATED ON THE LOWEST CUMULATIVE COST FOR ALL ITEMS LISTED.

ATTACHED ARE THE QUANTITY ESTIMATES FOR EACH OF THE 11 LOCATIONS.

THE 11 LOCATIONS TO BE REPAIRED ARE AS FOLLOWS:

- 1.) 139 ARLINGTON DRIVE
(DISTRICT 5)
- 2.) 608 ATHERTON DRIVE
(DISTRICT 5)
- 3.) 609 BATH STREET
(DISTRICT 5)
- 4.) BATH STREET (S. OF COLAPISSA)
(DISTRICT 5)
- 5.) 620 BATH STREET
(DISTRICT 5)
- 6.) 523 JEFFERSON AVENUE
(DISTRICT 5)
- 7.) 700 JEFFERSON AVENUE
(DISTRICT 5)
- 8.) 804 JEFFERSON AVENUE
(DISTRICT 5)
- 9.) 620 N. BENGAL
(DISTRICT 3)
- 10.) 470 WOODVINE AVENUE
(DISTRICT 5)
- 11.) 500 WOODVINE AVENUE
(DISTRICT 5)

REFER TO ATTACHMENTS FOR ESTIMATED QUANTITIES AT EACH LOCATION/STREET.

THE TOTAL OF ALL QUANTITIES ON EACH OF THE 11 LOCATIONS/STREETS WILL NOT MATCH THE QUANTITIES ASSOCIATED WITH EACH ITEM TO BE BID.

ADDITIONAL BID ITEMS ARE LISTED (FOR UNIT PRICE BIDS) TO USE IN CASE OF UNFORSEEN CIRCUMSTANCES WHILE THE WORK IS UNDERWAY (SEE ATTACHMENTS).

THESE ATTACHMENTS ARE INCLUDED TO INDICATE THE APPROXIMATE SCOPE OF WORK TO BE PERFORMED AT EACH LOCATION/STREET LISTED HEREIN.

ALL PRICING SHALL BE LISTED ON BID FORM.

ATTACHMENTS HAVE NO BEARING ON DETERMINING THE OVERALL LOW BID.

SECTION 2: GENERAL SPECIFICATIONS

ALL WORK TO BE PERFORMED IN ACCORDANCE WITH JEFFERSON PARISH STANDARD DETAILS FOR ROADWAYS, SIDEWALKS AND CURBS, AS WELL AS APPLICABLE UTILITIES. COPIES ARE AVAILABLE AT:

DEPARTMENT OF ENGINEERING
JOSEPH S. YENNI BUILDING
1221 ELMWOOD PARK BLVD., SUITE 307
JEFFERSON, LA

THE TERMS AND CONDITIONS OF RESOLUTION NOS. 105529 AND 105530 WILL BE CONSIDERED A PART OF THIS BID. COPIES MAY BE OBTAINED FROM:

JEFFERSON PARISH PARISH CLERK'S OFFICE
JEFFERSON PARISH GENERAL GOVT. BLDG.
200 DERBIGNY ST., SUITE 6700
GRETN, LA

SERVICE ENGINEER

A PERSON WITH LICENSE AS A PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE OF LOUISIANA LAW, WHO IS EMPLOYED BY THE CONTRACTOR TO PROVIDE TECHNICAL DIRECTION OF THE MAINTENANCE SERVICE.

INITIALS (ABBREVIATIONS)

AASHTO: AMERICAN ASSOCIATION OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS
ACI: AMERICAN CONCRETE INSTITUTE
ANS: AMERICAN NATIONAL STANDARDS

ASA: AMERICAN STANDARD ASSOCIATION
ASTM: AMERICAN SOCIETY FOR TESTING MATERIALS
ATSSA: AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
AWWA: AMERICAN WATER WORKS ASSOCIATION
JPDPW: JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS
LADOTO: LOUISIANA DEPARTMENT OF TRANSPORTATION AND
DEVELOPMENT

SECTION 3: CONTRACT COMPLETION

ALL WORK DESIGNATED IN THESE SPECIFICATIONS SHALL BE EXECUTED AND COMPLETED IN ALL DETAILS (FINAL ACCEPTANCE) WITHIN 90 CALENDAR DAYS FROM THE DATE SPECIFIED IN THE "ORDER TO PROCEED" AS THE STARTING DATE FOR THE CONTRACT TIME.

THE TIME ALLOWED FOR COMPLETION OF THIS PROJECT INCLUDES 0 DAYS FOR INCLEMENT WEATHER AND ANY TIME REQUIRED FOR FINAL CLEANUP OF PROJECT SITE.

FOR THIS PROJECT, THERE IS NO SET TIME FOR SUBSTANTIAL COMPLETION.

THEREFORE, THE CONTRACT TIME FOR BOTH SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE IS 90 CONSECUTIVE CALENDAR DAYS FROM THE DATE SPECIFIED IN THE "ORDER TO PROCEED" AS THE STARTING DATE FOR THE CONTRACT TIME.

THE BIDDER AGREES THAT ALL WORK SHALL BE COMPLETED WITHIN 90 CALENDAR DAYS, SUCH TIME LIMITS COMMENCING UPON THE DATE OF THE "ORDER TO PROCEED" ISSUED BY THE DIRECTOR OF THE STREETS DEPARTMENT.

IN THE EVENT THAT THE CONTRACTOR'S SCHEDULE IS DELAYED DUE TO UNKNOWN PROBLEMS WITH PARISH INFRASTRUCTURE (SUCH AS SEWER FORCE MAINS, WATER LINES, ETC.) TIME WILL BE GRANTED IN THE AMOUNT EQUAL TO THE TIME THE PROBLEM WAS MADE KNOWN TO THE PARISH AND THE TIME THE REPAIR WAS MADE BY THE PARISH, WITH A MAXIMUM TIME EXTENSION NOT TO EXCEED SIXTY (60) DAYS.

IF CONTRACTOR LEAVES THE JOB INCOMPLETE FOR OVER A 30 DAY PERIOD, THE PARISH RESERVES THE RIGHT TO GO TO THE NEXT LOWEST BIDDER TO START OR COMPLETE THE WORK.
HOWEVER, IF THE CONTRACTOR HAS A VALID REASON TO HOLD OFF ON A JOB, HE HAS TO OBTAIN WRITTEN PERMISSION FROM THE STREETS DEPARTMENT DIRECTOR FOR THE SITPULATED DELAY.

ALSO, THE OWNER RESERVES THE RIGHT TO PUT A HOLD ON A JOB AT THE BEGINNING OR WHEN JOB IS IN PROGRESS WITHOUT DESIGNATING A REASON.

IF THE JOB IS DISCONTINUED, THE CONTRACTOR WILL BE COMPENSATED FOR ONLY THE ITEMS OF WORK ACTUALLY PERFORMED AND NOT FOR ANY DOWN TIME.

WORK STOPPAGE DUE TO PUBLICALLY DECLARED EMERGENCY:

IF THERE IS AN EMERGENCY DECLARED BY THE FEDERAL, STATE OR LOCAL GOVERNMENT IN JEFFERSON PARISH OR IN ANY PORTION THEREOF, THEN ALL WORK ON THIS PROJECT SHALL CEASE UNTIL SUCH TIME AS THE CONTRACTOR IS INSTRUCTED TO RESUME WORK BY DEPARTMENT DIRECTOR (NO ONE ELSE) WHO HAS JURISDICTION OVER THE PROJECT.

IF THERE IS ANY TYPE OF WORK WHICH MUST PROCEED TO PREVENT HARM TO PERSONS OR PROPERTY, OR DAMAGE TO THE PROJECT ITSELF; THEN CONTRACTOR SHOULD IMMEDIATELY CONTACT THE DEPARTMENT DIRECTOR FOR NECESSARY INSTRUCTIONS. IF CONTRACTOR IS UNABLE TO CONTACT THE DEPARTMENT DIRECTOR, CONTRACTOR MAY PERFORM THE WORK NECESSARY TO PREVENT SUCH HARM IN ACCORDANCE WITH INDUSTRY SAFETY STANDARDS.

CONTRACTOR SHALL BE ENTITLED TO AN EXTENSION OF TIME FOR THE PERIOD OF THE STOPPAGE, BUT SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION BY REASON THEREOF.

SECTION 4: LIQUIDATED DAMAGES

IF THE CONTRACTOR DOES NOT COMPLETE ALL WORK WITHIN THE SPECIFIED TIME FRAME, THE CONTRACTOR WILL BE ACCESSED AND AGREES TO PAY LIQUIDATED DAMAGES IN THE AMOUNT OF \$200.00 PER CALENDAR DAY UNTIL COMPLETION.

SECTION 5: QUANTITIES

THE QUANTITIES IN THIS PROPOSAL FORM ARE APPROXIMATE FOR THE COMPARISON OF BIDS ONLY. THE QUANTITIES ARE BASED ON THE TOTALS FROM ALL ESTIMATES PERFORMED FOR EACH INDIVIDUAL LOCATION/STREET, ALONG WITH ADDITIONAL ITEMS THAT MAY OR MAY NOT BE NEEDED TO COMPLETE THE REPAIRS, BUT ARE INCLUDED BASED ON PAST EXPERIENCE WITH THESE TYPES OF REPAIRS.

THE PARISH RESERVES THE RIGHT TO PURCHASE ONLY SUCH ITEMS AND IN SUCH QUANTITIES AS NEEDED FOR THE DURATION OF THIS CONTRACT.

THE PARISH OF JEFFERSON RESERVES THE RIGHT TO ADD OR REDUCE THE QUANTITIES.

ALL STREET LAYOUTS FOR EACH LOCATION SHALL BE INCIDENTAL TO THE BID ITEMS WITH NO ADDITIONAL PAYMENT.

SECTION 6: ORDER TO PROCEED

ONLY ONE "ORDER TO PROCEED" WILL BE ISSUED FOR THIS PROJECT.

ALL OF THE WORK WITHIN THE LIMITS OF EACH JOB SHALL BE SHOWN TO THE CONTRACTOR BY A REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS STREETS DEPARTMENT PRIOR TO COMMENCING WORK.

APPROPRIATE SKETCHES AND/OR DRAWINGS MAY BE FURNISHED TO THE CONTRACTOR WITH EACH LOCATION IF THE PARISH DEEMS IT NECESSARY. IN ANY EVENT, A PARISH INSPECTOR WILL MARK THE AREA FOR REPAIR PRIOR TO WORK COMMENCING.

THE CONTRACTOR SHALL BEGIN THE WORK WITHIN 10 CALENDAR DAYS AFTER ISSUANCE OF THE "ORDER TO PROCEED" - PROVIDED THE PROPER DOCUMENTATION HAS BEEN SUBMITTED TO THE PARISH'S PUBLIC INFORMATION OFFICE.

THE "ORDER TO PROCEED" WILL BE ISSUED IN WRITING WITH APPROPRIATE DRAWINGS IF APPLICABLE, OR OTHER ATTACHMENTS AND WILL DESIGNATE A JOB NUMBER.

CONTRACTOR SHALL NOT WORK DURING THE HOLIDAYS OBSERVED BY JEFFERSON PARISH UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE STREETS DEPARTMENT DIRECTOR. ALSO, CONTRACTOR SHALL NOT SCHEDULE ANY CONTRACT WORK ON MAJOR ROADS AND/OR THOROUGHFARES BETWEEN THANKSGIVING AND NEW YEAR HOLIDAY, OR DURING MARDI GRAS SEASON, UNLESS APPROVED BY THE STREETS DEPARTMENT DIRECTOR.

SECTION 7: HOURS OF WORK

EXCEPT AS OTHERWISE REQUIRED FOR THE SAFETY OR PROTECTION OF PERSONS OR THE WORK OR PROPERTY AT THE SITE OR ADJACENT THERETO, AND EXCEPT AS OTHERWISE STATED IN THESE SPECIFICATIONS, ALL WORK AT THE SITES SHALL BE PERFORMED DURING REGULAR WORKING HOURS, AND CONTRACTOR WILL NOT PERMIT OVERTIME WORK

OR THE PERFORMANCE OF WORK ON SATURDAY, SUNDAY, OR ANY LEGAL HOLIDAY WITHOUT WRITTEN CONSENT (WHICH WILL NOT BE UNREASONABLY WITHHELD) GIVEN FROM THE DIRECTOR OF THE STREETS DEPARTMENT.

FOR PURPOSE OF THE FORGOING SENTENCE AND THIS CONTRACT:

REGULAR WORKING HOURS SHALL MEAN BETWEEN 7AM AND 6PM (EMERGENCY WORK MAY BE PERFORMED WITHOUT PRIOR PERMISSION).

NORMAL WORKDAY SHALL MEAN MONDAY THROUGH FRIDAY, EIGHT(8) WORK HOURS, OR WITH PRIOR PERMISSION FROM THE DIRECTOR OF THE STREETS DEPARTMENT, FOUR (4) TEN (10) HOUR DAYS PER WEEK.

UNDER NO CIRCUMSTANCES WILL WORK BE ALLOWED TO COMMENCE PRIOR TO 7AM UNLESS APPROVED BY THE STREETS DEPARTMENT DIRECTOR IN WRITING PRIOR TO COMMENCEMENT OF WORK.

SECTION 8: SCHEDULING

THE CONTRACTOR SHALL, WITHIN TEN (10) DAYS AFTER RECEIPT OF ORDER TO PROCEED, PREPARE AND SUBMIT TO THE DIRECTOR OF STREETS FOR APPROVAL, A PRACTICAL SCHEDULE SHOWING THE ORDER IN WHICH THE CONTRACTOR PROPOSES TO COMPLETE EACH LOCATION/STREET, ALONG WITH THE DATES ON WHICH HE WILL START AND COMPLETE EACH LOCATION/STREET.

THE SCHEDULE SHALL BE IN THE FORM OF A PROGRESS CHART OF SUITABLE SCALE TO INDICATE THE APPROXIMATE PERCENTAGE OF WORK SCHEDULED FOR COMPLETION AT EACH LOCATION/STREET OR A SIMPLE TABLE INDICATING START/COMPLETE DATES.

THE PARISH RESERVES THE RIGHT TO MODIFY THE SCHEDULE AS IT SEES FIT (I.E. ORDER IN WHICH LOCATIONS ARE STARTED) SO AS TO COORDINATE WITH OTHER ON-GOING PARISH PROJECTS.

EVEN THOUGH THE CONTRACTOR WILL HAVE SUBMITTED A SCHEDULE FOR APPROVAL, NO WORK AT ANY LOCATION WILL COMMENCE UNTIL THE PROPER DOCUMENTATION HAS BEEN SUBMITTED TO THE PARISH'S PUBLIC INFORMATION OFFICE. THE PARISH INSPECTORS WILL COORDINATE THIS WITH THE CONTRACTOR ONCE THE SCHEUDLE IS APPROVED.

THE DOCUMENTATION MUST BE SUBMITTED TEN (10) DAYS PRIOR TO WORK COMMENCING AT ANY LOCATION.

SECTION 9: BILLING

ALL CORRESPONDENCE, BILLING, ETC., PERTAINING TO THE WORK SHOULD REFERENCE THE JOB NUMBER. PAYMENT WILL BE MADE UPON RECEIPT OF DETAILED AND ITEMIZED INVOICE AND VERIFICATION BY PARISH INSPECTORS REGARDING QUANTITY AND QUALITY OF WORK PERFORMED. PAYMENTS WILL BE MADE ON A MONTHLY BASIS ONLY FOR THOSE INDIVIDUAL LOCATIONS/STREETS THAT ARE 100% COMPLETE.

EACH LOCATION/STREET MUST BE BILLED SEPERATELY. CONTRACTOR WILL BE PROVIDED A WORKSHEET FOR EACH LOCATION IN ORDER TO BILL QUANTITIES.

IF ANY SWORN STATEMENTS OF CLAIMS ARE FILED DURING THE TERM OF THIS CONTRACT, THE PARISH SHALL WITHHOLD THE NEXT ACCRUING PAYMENT AND SHALL HAVE THE AUTHORITY TO SATISFY THE CLAIM AND DEDUCT THE AMOUNT FROM PAYMENTS DUE.

SECTION 10: SAFETY PRECAUTIONS:

ADEQUATE SAFETY PRECAUTIONS SHALL BE TAKEN FOR ALL WORK PERFORMED UNDER THIS CONTRACT. NECESSARY BARRICADES, SIGNS, LIGHTS AND WARNING DEVICES INCLUDING ARROWBOARDS IF REQUIRED WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH PARISH TRAFFIC ENGINEERING AND SAFETY STANDARDS.

ALL TRAFFIC CONTROL DEVICES SHALL BE DEFINED AS ALL SIGNS, SIGNALS, MARKINGS, AND OTHER DEVICES USED TO REGULATE, WARN, OR GUIDE TRAFFIC, PLACED ON, OVER, OR ADJACENT TO A STREET, HIGHWAY, PEDESTRAIN FACILITY, OR BIKEWAY UNDER THE JURISDICTION OF JEFFERSON PARISH.

ALL TRAFFIC CONTROL DEVICES UTILIZED UNDER THE TERMS OF THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION) AS PUBLISHED BY THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA).

THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AT THEIR OWN EXPENSE, PROVIDING SAFE AND EXPEDITIOUS MOVEMENT OF TRAFFIC THROUGH CONSTRUCTION ZONES. I.E.: THE IMMEDIATE AREA OF ACTUAL CONSTRUCTION AND ALL ABUTTING AREAS USED BY THE CONTRACTOR AND WHICH INTERFERES WITH THE DRIVING OR WALKING PUBLIC. CONTRACTOR RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO SUCH ITEMS SUCH AS PROPER CONSTRUCTION WARNING SIGNS, SIGNALS, LIGHTING DEVICES (INCLUDING ELECTRICAL/ELECTRONIC FLASHING

ARROW BOARDS), MARKINGS, BARRICADES, CHANNELIZATION, HAND SIGNALING DEVICES (FLAGGING OPERATIONS), CONSTRUCTION WARNING SIGNS, DETOUR ROUTING AND ANY/ALL ADDITIONAL SIGNAGE REQUIRED FOR PROPER TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO JEFFERSON PARISH.

ALL OF THE SIGNING AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY OFFICE OF TRAFFIC ENGINEERING, JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS PRIOR TO STARTING THE JOB. ALL EXPENSES INCURRED BY THE CONTRACTOR TO MAINTAIN TRAFFIC FLOW IS INCIDENTAL TO THE JOB, THERE SHALL BE NO ADDED OR ADDITIONAL PAYMENT.

DURING THE PERFORMANCE OF ALL WORK OUTLINED IN THESE SPECIFICATION, THE CONTRACTOR WILL EXERCISE DUE CAUTION REGARDING UNDERGROUND UTILITIES AND WILL COOPERATE WITH REPRESENTATIVE OF THE UTILITY COMPANIES AND/OR PARISH DEPARTMENTS TO AVOID DAMAGE TO THEIR INSTALLATIONS.

CONTRACTOR MUST LOCATE, PROTECT, SUPPORT AND MAINTAIN ALL SUBSURFACE, SURFACE, AND AERIAL UTILITIES. IN THE EVENT OF ANY DAMAGE TO EXISTING UTILITIES.

CONTRACTOR SHALL RESTORE SERVICE, AS SOON AS POSSIBLE AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY OF RESOLVING ANY LAWSUIT AND LIABILITIES ARISING FROM DEFECTIVE WORKMANSHIP, IMPROPER MAINTENANCE OF UTILITIES AND/OR WORK SITE.

CONTRACTOR SHOULD CONSULT WITH THE DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING DIVISION IMMEDIATELY UPON ANY VEHICULAR OR PEDESTRAIN SAFETY OR EFFICIENCY PROBLEM INCURRED AS A RESULT OF CONSTRUCTION OF A PROJECT.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEMS 0010 THRU 0020:

BID PRICES SHOULD INCLUDE ALL COSTS FOR LABOR. EQUIPMENT AND MATERIAL NECESSARY TO REMOVE AND DISPOSE OF EXISTING PAVEMENT FOR THE THICKNESS AS SHOWN.

WHERE CONCRETE TO BE REMOVED HAS BEEN OVERLAYED WITH ASPHALT, THE CONTRACTOR WILL BE PAID FOR SUCH ADDED AVERAGE THICKNESS.

CURBING SHALL BE REMOVED WITH THE SLAB THICKNESS.

SHOULD THE PARISH DESIRE, THE CONTRACTOR SHALL DUMP BROKEN PAVEMENT AT A DISPOSAL SITE DESIGNATED BY THE PARISH AT NO ADDED COST, PROVIDED THAT THE DISPOSAL (DUMPING) SITE IS WITHIN A 21 MILE RADIUS FROM THE WORK SITE AND MAY INVOLVE CROSSING THE MISSISSIPPI RIVER.

ADDITIONALLY, SHOULD THE PARISH DESIRE THE CONTRACTOR WILL LOAD BROKEN PAVEMENT ONTO PARISH TRUCKS AT THE WORK SITE AT NO ADDED COST, PROVIDED THAT THE PARISH TRUCKS ARE PRESENT AT THE WORK SITE FOR LOADING AS THE PAVEMENT IS BEING REMOVED AND DO NO UNDULY DELAY THE CONTRACTOR'S WORK.

HOWEVER, ULTIMATE RESPONSIBILITY FOR DISPOSAL OF ALL OF THE REMOVED PAVEMENT RESTS WITH THE CONTRACTOR.

NO TRUCKS WITH GREATER LOAD CAPACITY THAN 12 CUBIC YARDS SHALL BE ALLOWED ON RESIDENTIAL STREETS FOR PAVEMENT REMOVAL AND DISPOSAL WITHOUT AUTHORIZATION FROM THE ENGINEER. SHOULD THE CONTRACTOR FAIL TO MEET THIS CONDITION, ALL DAMAGE RESULTING SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CARE MUST BE EXERCISED SO THAT JOINTING MATERIALS AND DEVICES ADJACENT TO THE CONCRETE TO BE REMOVED SHALL NOT BE DAMAGED. ANY PAVEMENT DAMAGED BY THE CONTRACTOR AS A RESULT OF NEGLIGENCE, EITHER WILLFULL OR ACCIDENTAL, WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEMS 0030 THRU 0090:

4000 PSI - 72 HOUR - HIGH EARLY STRENGTH WITH SUPERPLASTICIZER AND OTHER ADDITIVES.

THIS ITEM COVERS THE FURNISHING OF ALL MATERIALS AND INSTALLATION OF PCC PAVEMENTS FOR THICKNESS AS SHOWN. CONCRETE SHALL BE CLASS A, 4000 PSI 72 HOURS HIGH EARLY STRENGTH. 5200 PSI AT 28 DAYS WITH A MINIMUM OF 7 SACKS OF CEMENT.

MIX FOR 4000 PSI, 72 HOURS

RETARDER - REQUIRED. USE PER MANUFACTURERS SPECIFICATION

AIR ENTRAINMENT - 5% BY VOLUME. USE PER MANUFACTURERS SPECIFICATION

CEMENT - TYPE 1. 7 SACKS/CUYD

WATER - PORTABLE, 6GA/SACK MAX

SAND - 994 LBS.

GRAVEL - 1671 LBS.

BID PRICES SHALL INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, AND MATERIALS DESCRIBED UNDER THIS ITEM OF THE BID PROPOSAL.

ALL REQUIRED JOINTING MATERIALS SHALL BE INCLUDED IN PRICE BID UNDER EACH ITEM. METHOD OF JOINTING SHALL BE THE SAME AS THE EXISTING JOINTS IN THE AREA OF WORK.

DAMAGED, MISSING, AND/OR NEW DOWEL BARS (LONGITUDINAL/TRANSVERSE) AND STARLUGS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE PARISH - 1-1/8" X 18" SMOOTH DOWEL BARS OR 1" PLASTIC-COATED DOWEL BARS ON 12" CENTER SHALL BE USED.

THE BARS SHALL BE PLACED IN THE EXISTING PAVEMENT BY DRILLING 1-1/2" HOLES TO A DEPTH OF 9" AND FILLING WITH AN APPROVED EPOXY GROUT BEFORE INSERTION OF THE DOWEL BARS.

CONTRACTOR IS RESPONSIBLE FOR ANY DEFORMED BARS FOR LONGITUDINAL JOINTS.

IF TOEING UNDER THE SLAB IS APPROVED AS AN OPTION BY THE PARISH REPRESENTATIVE IN LIEU OF DOWELING, THERE IS NO ADDITIONAL COMPENSATION FOR CONCRETE USED FOR TOEING. ALL COSTS INCURRED FOR THIS TASK SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

BID PRICES SHALL ALSO INCLUDE ADEQUATE CURING OF THE CONCRETE PLACED AND THE PROPER SEALING OF CONTRACTION AND EXPANSION JOINTS.

BID PRICES SHALL ALSO INCLUDE COST OF PROVIDING ENGINEERING/SURVEYING FOR ALIGNMENT, GRADE, PROFILE, SURVEY STAKES, TOPOGRAPHY WHEN NECESSARY AND AS REQUIRED TO IMPROVE THE ROADWAY ALIGNMENT.

CURB AND GUTTER LAYOUT, DRAIN LINE INSTALLATION, ETC. COMPENSATION FOR THIS SHALL BE INCIDENTAL TO CORRESPONDING BID ITEMS IN THE MAINTENANCE CONTRACT.

THERE IS NO OTHER COMPENSATION. THIS INCLUDES NEW ROAD, EXTENSION OF EXISTING ROAD, AND TURNING LANES, PARKING LOTS,

BIKE AND WALKING TRAILS, ETC. ALL LAYOUTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ANY OTHER TYPE OF MIX USED OTHER THAN SPECIFIED SHALL BE APPROVED BY THE DIRECTOR OR ASSISTANT DIRECTOR OF STREETS PRIOR TO ITS PLACING.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEMS 0100 THRU 0130:

EXCAVATION AND FILL MATERIAL

SPECIFICATIONS SHALL BE IN ACCORDANCE WITH LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES UNDER "STONE". IN ADDITION, MATERIAL SHALL BE CALCITIC OR DOLIMITIC WITH CALCIUM CARBONATE NOT LESS THAN 85 PERCENT AND THE SILICA CONTENT (IMPURITIES) NOT TO EXCEED 5 PERCENT.

LIMESTONE USED ON ASPHALT PAVEMENT SHOULDERS SHALL BE COMPARABLE TO MEXICAN LIMESTONE IN COLOR AND GRADATION.

SHOULDER AGGREGATE

THIS MATERIAL SHALL CONFORM TO THE FOLLOWING GRADATION:

LIMESTONE

U.S. SIEVE	PERCENT PASSING
1.5"	95-100
0.75	75-85
NO. 4	45-55
NO. 40	10-25
NO. 200	3-12

AGGREGATE SHALL CONFORM TO LADOTD APPROVED MATERIALS.

THE FRACTION OF STONE PASSING THE NUMBER 40 SIEVE SHALL BE NON-PLASTIC.

EXCAVATION AND FILL MATERIAL

THIS ITEM COVERS WORK AND MATERIAL GENERALLY ASSOCIATED WITH BASE, SHOULDER, DRAINAGE AND DRESS-UP WORK. EXCAVATION WILL BE PAID BY COMPUTING THEORETICAL VOLUME AT THE APPROVAL OF THE PARISH REPRESENTATIVE. FILL MATERIALS WILL BE PAID BY CUBIC YARD TRUCK MEASURE DELIVERED TO THE WORK SITE.

BID PRICES SHALL INCLUDE COSTS FOR COMPACTION AND GRADING OF MATERIALS WHEN USED FOR BASE CONSTRUCTION.

SHOULD THE PARISH DESIRE, THE CONTRACTOR WILL DUMP EXCAVATED MATERIALS AT A DISPOSAL SITE DESIGNATED BY THE PARISH AT NO ADDED COST, PROVIDED THAT THE DISPOSAL (DUMPING) SITE IS WITHIN A 21-MILE RADIUS FROM THE WORK SITE AND MAY INVOLVE CROSSING THE MISSISSIPPI RIVER.

ADDITIONALLY, SHOULD THE PARISH DESIRE, THE CONTRACTOR WILL LOAD EXCAVATED MATERIAL ONTO PARISH TRUCKS AT THE WORK SITE AT NO ADDED COST PROVIDED THAT THE PARISH TRUCKS ARE PRESENT AT THE WORK AT THE TIME OF EXCAVATION AND DO NOT UNDULY DELAY THE CONTRACTOR'S WORK.

HOWEVER, ULTIMATE RESPONSIBILITY FOR DISPOSAL OF ALL OF THE EXCAVATED MATERIAL RESTS WITH THE CONTRACTOR.

HAUL AND/OR LOADING TICKETS WILL BE ISSUED FOR EACH TRUCK LOAD OF MATERIAL DELIVERED AND PLACED ON THE JOB AND/OR TRUCK LOAD OF EXCAVATED MATERIAL HAUL FROM THE JOB SITE.

ALL THE ORIGINAL HAUL TICKETS MUST BE FURNISHED BY THE CONTRACTOR FOR PAYMENT.

THE CONTRACTOR WILL EXERCISE DUE CAUTION REGARDING UNDERGROUND UTILITIES DURING EXCAVATION OPERATIONS AND WILL NOTIFY AND COORDINATE WITH REPRESENTATIVE OF UTILITY COMPANIES AND PARISH DEPARTMENTS TO AVOID DAMAGE TO THEIR INSTALLATIONS.

HOWEVER, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS ACTIONS.

ALSO, IF ANY CONFLICTING UTILITY NEEDS "RELOCATION OR ADJUSTING", THE CONTRACTOR WILL ALLOW REASONABLE TIME TO ACCOMPLISH THE TASK.

THERE WILL BE NO ADDITIONAL COMPEMSATION FOR THE TIME DELAY CAUSED BY THE CONFLICTS.

NO TRUCKS WITH GREATER LOAD CAPACITY THAN 12 CUBIC YARDS SHALL BE ALLOWED ON RESIDENTIAL STREETS FOR EXCAVATION, CONCRETE/ASPHALT REMOVAL OR FILL MATERIAL DELIVERY WITHOUT AUTHORIZATION FROM THE ENGINEER. SHOULD THE CONTRACTOR FAIL TO MEET THIS CONDITION, ALL DAMAGE RESULTING SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEMS 0140 THRU 0210:

BID PRICES SHOULD INCLUDE ALL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL DRAIN PIPE AS DESCRIBED UNDER THIS ITEM OF THE PROPOSAL.

ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION AND REVISIONS.

AT EACH END OF PIPE JOINT, BOARD FOUNDATION MATERIAL (3" X 10" X TRENCH WIDTH) SHALL BE PLACED AND THE COST FOR LABOR AND MATERIAL INCLUDED IN THE BID PRICE FOR PIPE. EACH JOINT WILL BE WRAPPED WITH FILTER CLOTH 36" WIDE, AND OVER LAPPED.

WHERE AGGREGATE FOUNDATION MATERIAL IS REQUIRED FOR BEDDING, THIS MATERIAL SHALL BE PAID BY CUBIC YARD UNDER THE APPLICABLE BID ITEM.

SAND FILL MATERIALS, IF REQUIRED SHALL BE PAID FOR BY CUBIC YARD.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEMS 0220 THRU 0320:

SPECIFIC DEPTHS FOR DRAIN STRUCTURES WILL VARY WITH EACH PROJECT. HOWEVER, IT IS ANTICIPATED THAT MOST SUBSURFACE DRAINAGE SYSTEMS INSTALLED UNDER THIS CONTRACT WILL BE GENERALLY SHALLOW.

FOR BIDDING PURPOSES, DRAIN STRUCTURE DEPTHS. SHOULD BE ASSUMED IN THE 3 TO 5 FT. RANGE AS AN AVERAGE.

FRAMES, GRATES AND COVERS FOR MANHOLES CATCH BASINS, AND DROP INLET SHOULD BE THE HEAVY DUTY TYPE. THE ONLY ACCEPTABLE FRAMES, GRATES AND COVERS ARE THOSE WHICH ARE DOMESTICALLY MANUFACTURED.

ALL CASTING SHALL BE CLEARLY STAMPED OR ENGRAVED WITH THE MANUFACTURER'S NAME AND PART NUMBER ON THE CASTING.

FOUNDATION FOR ALL DRAINAGE STRUCTURES SHOULD FOLLOW JEFFERSON PARISH STANDARD DETAILS AND/OR LADOTD OFFICE OF HIGHWAYS, LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION AND REVISIONS AND APPLICABLE SECTIONS.

OVERSIZED JUNCTION BOXES (SPECIAL) SHALL BE COMPENSATED AT BID UNIT PRICES. THE COST SHALL INCLUDE ALL NECESSARY MATERIAL INCLUDING REINFORCING STEEL AND LABOR.

THE HEIGHT AND BASE AREA ARE USED AS A GUIDANCE FOR BIDDING PURPOSES ONLY.

MINIMUM REINFORCING FOR THE BASE SLAB SHALL BE 2 LAYERS OF #6 BARS ON 6" O.C. EACH WAY, 3" COVER FOR BOTTOM STEEL AND 2" COVER FOR TOP STEEL. CONCRETE FOR THE BOX SHALL BE CLASS A.

THE DESIGN FOR THE DRAINAGE STRUCTURES AT EACH LOCATION SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE DIRECTOR OF THE STREETS DEPARTMENT.

TYPICAL DETAILS FOR CONSTRUCTION OF DRAIN STRUCTURES ARE AVAILABLE FROM THE DEPARTMENT OF PUBLIC WORKS UPON REQUEST.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEM 0330:

MACHINE SAW CUTS IN CONCRETE/ASPHALT SHALL BE PAID FOR BY LINEAR FOOT OF CUT AND THE DEPTHS SHALL BE PRE-APPROVED BY PARISH REPRESENTATIVES AND MEASURED IN THE FIELD.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEM 0400:

FURNISH AND INSTALL FABRIC MEMBRANE IN CONJUNCTION WITH OVERLAY.

FURNISH AND INSTALL FABRIC MEMBRANE ON/UNDER ROAD BED SURFACE.

FURNISH AND INSTALL GEOGRID FOR BASE OR SUB-BASE REINFORCEMENT.

BID PRICES FOR THIS ITEM ARE TO INCLUDE ALL COSTS FOR LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PROTECTIVE FABRIC MEMBRANE APPROVED BY DEPARTMENT OF STREETS REPRESENTATIVE.

INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, INSTRUCTION AND PROCEDURES.

FABRIC MEMBRANE SHALL WEIGH NOT LESS THAN 4 OZ. PER SQUARE YARD.

THE BELOW SPECIFICATIONS WILL APPLY TO ITEM 0410 AND 0420:

GEOTEXTILE FABRIC

THIS WORK CONSISTS OF FURNISHING AND INSTALLING GEOTEXTILE FABRIC IN LOCATIONS DESIGNATED AND/OR DIRECTED BY THE ENGINEER IN CONFORMITY WITH THE REQUIREMENTS OF SECTION 1019 OF THE LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION.

INSTALLATION MUST BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS.

GEOTEXTILE FABRIC WILL BE PAID FOR PER SQUARE YARD, WHICH INCLUDES FURNISHING ALL EQUIPMENT, LABOR, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

TECHNICAL SPECIFICATIONS FOR ALL WORK

THE CONTRACTOR'S WORK SHALL CONFORM IN ALL ASPECTS TO THE LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION, AND REVISIONS UNLESS SPECIFIED HEREIN.

HANDICAPPED RAMPS

SIX INCH (6") OR EIGHT INCH (8") (PER DIRECTION OF PARISH INSPECTOR/DIRECTOR). 4000 PSI/72 HOUR HIGH EARLY STRENGTH CONCRETE SIDEWALK AT INTERSECTIONS, AND MEDIANS, INCLUDING HANDICAPPED RAMPS.

WHERE NECESSARY OR AS DIRECTED BY THE ENGINEER, EXISTING SIDEWALK AND CURBING AT INTERSECTIONS AND MEDIANS SHALL BE BROKEN AND/OR SAW CUT, REMOVED AND REPLACED WITH A NEW PORTLAND CEMENT CONCRETE CURB RAMP FOR THE HANDICAPPED. CURB RAMPS SHALL CONFORM TO ADAAG (AMERICANS WITH DISABILITIES ACTS ACCESSIBILITY GUIDELINE) 4.7. IF THE DETECTABLE WARNING PROVIDED IS A MASONRY UNIT, THE MASONRY UNIT SHALL BE PAID AT BID UNIT PRICE.

BID UNIT PRICE SHALL INCLUDE LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROVIDE COMPLETE COVERAGE OR RAMP, AS PER ADA GUIDELINES.

DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACE (REDDISH LIKE "TERRA COTTA").

IF REQUIRED, STEEL MESH REINFORCEMENT 6 X 6 - W2.9 X W2.9 SHALL BE INSTALLED AT BID UNIT PRICE. (SEE ITEM 0360)

BATTURE SAND FOR DRESSING, BREAKING OUT AND REMOVAL OF EXISTING SIDEWALK WILL BE PAID FOR UNDER THE ITEM RIVER (BATTURE) SAND.

STAMPING/IMPRINTING OF DETECTABLE WARNING CONSISTING OF RAISED TRUNCATED DOMES WILL BE INCIDENTAL TO THE BID UNIT OF CONCRETE PAVEMENT.

ON STAMPING/IMPRINTED DETECTABLE DETECTABLE WARNING THE DYE OR HARDNER FOR VISUAL CONTRAST WILL BE COMPENSATED AT THE BID UNIT PRICE.

ANY OTHER COSTS FOR MATERIALS OR LABOR NEEDED TO ACCOMPLISH CURB RAMPS FOR THE HANDICAPPED ARE TO BE ASSUMED BY THE CONTRACTOR.

CURBS

THE PORTLAND CEMENT CONCRETE MIXTURE FOR CURB CONSTRUCTION SHALL BE A MINIMUM OF 4000 PSI/72 HOUR HIGH EARLY STRENGTH AND ALSO WILL PROVIDE PROPER WORKABILITY CURB STRENGTH, AND MINIMUM CONTRACTION CRACKING. PCC CURBING MAY PCC CURBING MAY BE PLACED BY EXTRUDING MACHINE OR BY FORMING AND HAND PLACEMENT AT CONTRACTOR'S OPTION AND WILL BE BONDER TO HOLDING SURFACE IN A MANNER APPROVED BY THE DEPARTMENT OF STREETS, WHICH MAY INCLUDE DOWELING AND/OR APPROVED BONDING AGENT.

THE ACCEPTED QUANTITIES OF CURBS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, INCLUDING ALL LABOR, EQUIPMENT AND MATERIALS INCIDENTAL TO THE WORK.

NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REMOVAL OF ANY TYPE OF EXISTING CURB.

SAND

SAND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

LIQUID LIMIT (MAXIMUM) 25%
PLASTICITY INDEX (MAXIMUM) 6%

TESTING

THE PARISH AT ITS OWN WILL AND EXPENSE CAN APPOINT AN INDEPENDENT TESTING LABORATORY FOR MATERIAL AND CONSTRUCTION TESTING. NO ADVANCE NOTICE OF TESTING WILL BE PROVIDED TO THE CONTRACTOR. ALSO, TESTING BY THE PARISH WILL NOT RELIEVE CONTRACTOR FROM HIS OWN TESTING PROCEDURES. IN THE EVENT TEST RESULTS BY CONTRACTOR OR PARISH DO NOT MEET THE REQUIRED SPECIFICATIONS, CONTRACTOR SHALL REPLACE OR RECONSTRUCT AND CORRECT ALL THE DEFICIENCIES TO SATISFY THE SPECIFICATIONS.

CRACK AND JOINT SEALING

THIS ITEM IS TO PROVIDE GENERAL SEALING OF CRACK AND/OR JOINTS IN EXISTING PAVEMENT. THIS WORK WOULD USUALLY BE DONE IN AREAS CONTIGUOUS TO A PAVING PROJECT BEING DONE UNDER THIS CONTRACT. BID PRICES SHOULD INCLUDE ALL COSTS FOR LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO APPLY AN APPROVED LIQUID POURED SEALANT OF THE ASPHALT TYPE AS SPECIFIED UNDER SECTION 1005.02 OF LADOTD SPECIFICATIONS FOR ROADS AND BRIDGES LATEST EDITION AND REVISIONS. CRACKS AND/OR JOINTS SHALL BE CLEANED AND CHIPPED IF NECESSARY IN ACCORDANCE WITH GENERALLY ACCEPTED PROCEDURES PRIOR TO POURING THE SEALANT.

REINFORCING STEEL

THIS WORK CONSISTS OF FURNISHING FABRICATING, AND PLACING REINFORCING STEEL FOR REINFORCED PORTLAND CEMENT CONCRETE STRUCTURES.

REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A-615, OR ASTM A-616, OR ASTM A-617, IN ACCORDANCE WITH SECTIONS 806 AND 1009 OF THE LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION.

REINFORCING STEEL WILL BE PAID FOR BY THE POUND, WHICH INCLUDES FURNISHING ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK.

	Total Estimated Quantities		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal	130.00	SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	2669.80	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)	15.00	SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron	130.00	SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	2669.80	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving	10.00	LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab	10.00	LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	1500.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab	300.00	LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME	24.00	CU. YD.
0110	RIVER (BATTURE) SAND	152.00	CU. YD.
0120	PUMP (SUGAR) SAND	330.00	CU. YD.
0130	LIMESTONE	12.00	TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place	8.00	LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place	8.00	LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place	8.00	LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place	8.00	LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place	8.00	LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place	8.00	LF
0200	PVC PIPE SDR 35, 15 INCH Dia., in place	26.00	LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place	8.00	LF

	Total Estimated Quantities		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN	1.00	EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)	1.00	EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)	1.00	EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION	1.00	EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation	1.00	EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation	1.00	EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	3.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole	8.00	EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED	1.00	EA
0310	Ring Adjustments, per inch, to Existing Manhole	1.00	EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)	1.00	EA
0330	Asphalt or PCC saw cut, per inch depth	182.00	LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon	10.00	GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED	5.00	SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9	5.00	SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)	100.00	FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD	10.00	SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER	10.00	LB.
0400	Fabric Membrane for base/ sub-base	10.00	SQ.YD.
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)	10.00	SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)	10.00	SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE	100.00	LB.

	139 Arlington Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal	50.00	SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	477.32	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron	50.00	SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	477.32	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	322.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	36.00	CU. YD.
0120	PUMP (SUGAR) SAND	48.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	139 Arlington Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	2.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	139 Arlington Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	608 Atherton Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	249.21	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	249.21	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	148.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	12.00	CU. YD.
0120	PUMP (SUGAR) SAND	24.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	608 Atherton Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	1.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	608 Atherton Dr.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	609 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	408.88	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	408.88	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	300.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	18.00	CU. YD.
0120	PUMP (SUGAR) SAND	36.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	609 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	1.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	609 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	Bath St. (S. of Colapissa)		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	202.43	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	202.43	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	140.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	18.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	Bath St. (S. of Colapissa)		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin		EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	Bath St. (S. of Colapissa)		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	620 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	194.00	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	194.00	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	128.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	12.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	620 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	3.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	620 Bath St.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type 1, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	523 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	86.88	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	86.88	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	60.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	6.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	523 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin		EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth	91.00	LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	523 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	700 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	127.11	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	127.11	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	80.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	6.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	700 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	2.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	700 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type 1, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	804 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	147.88	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	147.88	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	102.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	8.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	804 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	1.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth	91.00	LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	804 Jefferson Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	620 N. Bengal		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal	80.00	SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	527.88	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron	80.00	SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	527.88	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	362.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME	24.00	CU. YD.
0110	RIVER (BATTURE) SAND	18.00	CU. YD.
0120	PUMP (SUGAR) SAND	96.00	CU. YD.
0130	LIMESTONE	12.00	TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	620 N. Bengal		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place	26.00	LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN	1.00	EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin	1.00	EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)	1.00	EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	620 N. Bengal		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type 1, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	470 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	117.88	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	117.88	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	81.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	6.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	470 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin		EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	470 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type I, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.

	500 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0010	6 inch thickness or less pavement removal and disposal		SQ.YD.
0020	Greater than 6 inch thickness pavement removal and disposal	130.33	SQ.YD.
0030	PPC 4 inch thick, High Early Strength, 4000 psi (72 hrs)		SQ.YD.
0040	PPC 6 inch thick, High Early Strength, 4000 psi (72 hrs), curb ramp and driveway apron		SQ.YD.
0050	PPC 7 inch thick, High Early Strength, 4000 psi (72 hrs)	130.33	SQ.YD.
0060	PCC Curb, extruded, 6 inch thick, High Early Strength, 4000psi (72 hrs), barrier type to include dowels in conj w/ new paving		LF
0070	PCC Curb, extruded, 6 inch thick, Barrier type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped curb dowels spaced 2 foot O.C. anchored into existing slab		LF
0080	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), monolithic w/ new slab paving or properly doweled	90.00	LF
0090	PCC Curb, extruded, 5 inch thick, Roll-over type, High Early Strength, 4000psi (72 hrs), to include No. 4 (U) shaped dowels spaced 2 foot O.C. anchored into existing slab		LF
0100	EARTHWORK EXCAVATION BY THEORY VOLUME		CU. YD.
0110	RIVER (BATTURE) SAND	12.00	CU. YD.
0120	PUMP (SUGAR) SAND	18.00	CU. YD.
0130	LIMESTONE		TN
0140	Reinforced Concrete 15 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0150	Reinforced Concrete 18 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0160	Reinforced Concrete 24 in. dia., RCP, C-76, Cl. III (w/ rubber gasket), in-place		LF
0170	PVC PIPE SDR 35, 8 INCH Dia., in place		LF
0180	PVC PIPE SDR 35, 10 INCH Dia., in place		LF
0190	PVC PIPE SDR 35, 12 INCH Dia., in place		LF

	500 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0200	PVC PIPE SDR 35, 15 INCH Dia., in place		LF
0210	PVC PIPE SDR 35, 18 INCH Dia., in place		LF
0220	CONVERT TYPE I VERTICAL FACE TO TYPE III CATCH BASIN		EA
0230	Yard Drain, 12in x12in open grate with frame (4in brick wall, 6in concrete slab foundation)		EA
0240	DROP INLET 18" X 18" OPEN GRATE W/ FRAME (8in brick wall, 6in reinforced concrete slab foundation)		EA
0250	CATCH BASIN STANDARD ROLL OVER TYPE, 8" BRICK WALL, 8" REINFORCED CONCRETE SLAB FOUNDATION		EA
0260	Catch basin, standard, type I, vertical face, 8 inch brick wall, 8 inch reinforced concrete slab foundation		EA
0270	DRAINAGE MANHOLE, standard, 8" brick wall, average 48" bottom dia. 8" reinforced concrete slab foundation		EA
0280	STRUCTURAL GRADE ADJUSTMENT, to existing catch basin		EA
0290	STRUCTURAL GRADE ADJUSTMENT, to existing manhole		EA
0300	STRUCTURAL GRADE ADJUSTMENT REINFORCED		EA
0310	Ring Adjustments, per inch, to Existing Manhole		EA
0320	MISCELLANEOUS TIE INS (yard drains, filter beds, and utilities, etc.)		EA
0330	Asphalt or PCC saw cut, per inch depth		LF
0340	Liquid Poured Asphalt Type Sealant Applied per Gallon		GL
0350	APPLIED SURFACE/MASONARY UNIT PAVERS WITH RAISED TRUNCATED		SQ.YD.
0360	Furnish & Install Wire Mesh Reinforcement 6X6-W2.9XW2.9		SQ.YD.
0370	Foundation Board (2 inch thickness) for Pipe Work (12 inch wide x 2 inch thick)		FT
0380	ST. AUGUSTINE GRASS SOD/CENTIPEDE/GRASS SOD		SQ.YD.
0390	8-8-8 GRANULAR FERTILIZER		LB.
0400	Fabric Membrane for base/ sub-base		SQ.YD.

	500 Woodvine Ave.		
ITEM	DESCRIPTION	QUANTITY	UNIT
	PAVEMENT REMOVAL AND DISPOSAL		
0410	Geogrid base reinforcement and geo sub-grade improvement (type 1, Box 1100)		SQ.YD.
0420	Geogrid base reinforcement and geo sub-grade improvement (type 2, Box 1200)		SQ.YD.
0430	REINFORCING STEEL BARS, IN PLACE		LB.